MIT's Oldest and Largest Newspaper

tech.mit.edu

Volume 134, Number 34



WEATHER, p. 2

TUE: <mark>88° F | 71°</mark> F Evening showers

WED: 85°F | 66°F Mostly sunny

THU: 81°F | 67°F

Tuesday, September 2, 2014

Drug, alcohol, hazing policies undergo major modifications

Revised policies relevant to many aspects of student life

By Austin Hess EDITOR IN CHIEF

On Aug. 26, Dean for Student Life Chris Colombo emailed all MIT students to announce changes to the Mind and Hand Book, a set of guidelines and rules that apply to undergraduates and graduates. The alcohol and drugs and hazing policies were updated significantly, while minor changes were made to other policies, including those on sexual

misconduct.

Some of the most significant changes include a ban drinking games, modifications to what was previously called the "Good Samaritan Policy," prohibitions on certain drugs not prohibited by state law, a stricter policy against social sharing of drugs, and a broadening of the Institute's definition of hazing. The edited policies were produced by a working group of administrators over the course of more than a year after consultation with many student groups and other bodies on campus to collect feedback on drafts of the policies.

Alcohol Policy

The updated alcohol policy newly forbids "engaging in drinking games or other activities involving rapid and/ or excessive consumption of alcohol on campus or in Institute-approved housing."

On the rationale for the new rule, Associate Dean and working group member Judy Robinson told The Tech that during drinking games "people tend to drink faster and more volume, so it's a health and safety concern," adding that the policy "is a fairly standard practice at most institutions."

Also newly prohibited is alcohol distributed from a "quantity dispensing source" like kegs or punch bowls, except at registered events.

According to Robinson, fraternity, sorority, and independent living group governing bodies and parts of the MIT administration would handle enforcement of the ban on drinking games and other relevant regulations. She emphasized that the working group itself was only responsible for writing, not implementing, the updated policies.

The updated policy also states, similarly to the previous version, that serving or selling alcohol is prohibited in all circumstances except those explicitly allowed by MIT's official policy on the use of alcohol (i.e. registered events in the case of student sponsorship). The new version does make an exception, however, for "small social gatherings (usually considered to be 15 guests or fewer) at which alcohol is served to individuals over the age

Robinson said that the updates to the policies regarding registered events were not made to correspond with a separate social gathering policy introduced last week to FSILGs, which includes new requirements for registering events.

Practices for Seeking Help

While the term "Good Samaritan" is no longer used to describe the policies for seeking medical attention for those experiencing dangerous effects of alcohol, the section outlining prac-

Mind and Hand, Page 12

Student injured in fall from window at MIT Lambda Chi Alpha Student is not affiliated with MIT



Emergency personnel arrive Sunday night in response to reports of a student's fall from a window at Lambda Chi Alpha. The student was not affiliated with MIT.

By Austin Hess

EDITOR IN CHIEF

A student not affiliated with MIT fell from a window at the MIT chapter of the Lambda Chi Alpha fraternity at about 11:30 p.m. on Sunday and sustained injuries of unspecified severity according to Kimberly Allen of the MIT News Office.

The Boston Globe, which first reported the incident, said the female student was taken

LCA, Page 11

IN SHORT

The first day of fall classes is tomorrow!

Today is Registration Day. Students must meet with their advisors to confirm their class selections for the fall term and submit their registration by Friday, Sept. 5. Today is also the deadline to change a spring term exploratory subject to listener status

Second-term juniors and final-term seniors must submit the HASS Concentration Proposal form by Friday, September 5. Those who do not do so by this date must pay a \$50 late

Students should update their CI-H/HW waitlist choices on WebSIS before classes begin tomorrow. This fall is the first time that a waitlist system is being used. Instructors can begin making offers from waitlists on Wednesday at

The MIT Public Service Center is hosting a Service Fair on Wednesday, September 3 from 1 p.m. to 3 p.m. outside of Kresge. This fair is for students, faculty, and staff to learn about local nonprofits and volunteer opportunities. There will be about 20 organizations in attendance ranging from STEM education to a homeless shelter.

Send news information and tips to news@tech.mit.

New FSILG policy allows use of some roof decks this term

Groups submit application to committee for approval

By Alexandra Delmore

STAFF REPORTER

The Interfraternity Council, the Association of Independent Living Groups Board, and the AILG Facilities Committee have instated a new policy regarding approval for roof deck usage at fraternities, sororities, and independent living groups (FSILGs), overriding the existing prohibition of roof deck use.

The limits, effective since September 2013, prohibited the use of roof decks at all FSILGs until proper permits were acquired. This was accompanied by the IFC's "Temporary Open Air

Spaces Rule Provision" that prohibited the use of all roofs, roof decks, balconies, and ledges at fraternities in both Boston and Cambridge, even for those who had attained the proper licenses.

These changes came after an MIT freshman fell four stories through a skylight at Phi Sigma Kappa last September. Residents could access the skylight through an uninspected roof deck, prompting the city of Boston to express serious concerns about the use of such roof decks.

Now, each FSILG can gain permission to utilize their roof deck by submitting an application

Roof Decks, Page 13



men to the multitude of clubs on campus.

On Aug. 29, MIT Clubs put on their annual midway/club fair to introduce fresh-

Institute hosts a five-day camp for select edX students on campus MIT brings top entrepreneurship students together in person

By Chi-Chi Zhang

MIT has just concluded an experiment in blended learning that could reshape existing educational paradigms. A unique program held on campus Aug. 18-22 brought together students from around the world who had taken an online course in entrepreneurship and then immersed themselves at MIT — to learn how to

The Institute brought 47 out of 54,856 students enrolled in the MITx on edX course 15.390x Entrepreneurship 101: Who is Your Customer? to campus for the inaugural MITx Global Entrepreneurship Bootcamp. The bootcamp was an experiment by MIT to help edX students further their online education, to learn not only from MIT professors but also from like-minded people from around the world.

You take a course. You learn the material. Then, you come here and you participate in the magical experience, and you get value out of it," says Sanjay Sarma, director of the Office of Digital Learning at MIT. "I'm over the moon to see that we can actually share this experience [with people] who might not have that opportunity." The 47 people who reported for bootcamp

Bootcamp, Page 14

STILL CAN'T GET **PUBLISHED?**

Somewhere on the Search for Meaning has some hope. FUN, p. 6

J DILLA'S LEGACY LIVES ON

The Tech remembers celebrated producer J Dilla. ARTS p. 8

MODERN ART IS CONFUSING

Contemporary Comics clears things up. FUN, p. 6



HAVE YOU FELT THE CALLING?

Check out our behind the scenes scoop on Boston Calling. ARTS, p. 9

WAITING FOR YOUR ADVISOR?

Kill some time with our crossword and number puzzles. FUN, p. 5-7

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Germany to arm Kurds battling Islamic State

BERLIN — Chancellor Angela Merkel told lawmakers Monday that her government had decided to break with a taboo on delivering weapons to conflict zones because Germany and all of Europe faced a security threat from the extremists of the Islamic State.

Merkel and top ministers decided Sunday to deliver thousands of machine guns, as well as antitank missiles and armored vehicles to Kurdish forces battling the Islamic State in northern Iraq.

The deliveries — from existing German army stocks, and worth an estimated 70 million euros, or almost \$92 million - will take place in stages in the coming weeks, the Defense

On what was the 75th anniversary of the Nazi invasion of Poland, Merkel went before Parliament on Monday to justify the arms decision.

She evoked scenes of mass terrorism and killing in the Middle East and said of the Islamic State, "Anything which does not conform to their view of the world they simply expunge from the scene."

In sum, she said, "A religion is being abused in the most terrible way.'

She added, "The far-reaching destabilization of a whole region affects Germany, and Europe."

Before going into detail on Iraq, she recalled that Nazi Germany invaded Poland on Sept. 1, 1939, starting a war which, together with Nazi crimes, caused millions to die.

'We Germans will never forget this," and it has underpinned post-1945 Germany's reluctance to enter into conflict, she said.

But in the case of the Islamic State, she argued, her government believed it had to make an exception.

The parliamentary debate on the weapons deliveries was symbolic, since the government can decide to deliver arms where it wishes without the authorization of legislators.

In a nonbinding vote, lawmakers overwhelmingly backed the government.

-Alison Smale, The New York Times

Militants claim responsibility for deadly attack on Somali prison

MOGADISHU, Somalia — An attack by members of the militant group al-Shabab on a government detention center in Mogadishu on Sunday left at least 12 people dead, including seven attackers, officials said.

The attack, which lasted 45 minutes, struck a prison known as Godka Jilacow around 11:40 a.m. as members of the militant group tried to fight their way inside, according to a statement released by the Ministry of Information.

The prison is controlled by Somalia's National Intelligence and Security Agency.

Somalia's information minister, Mustaf Duhulow, said in a statement that the attackers aimed to force their way into the prison and "free their comrades" who were being held

Three members of the security forces and two passers-by were also killed in the attack, the statement said.

Al-Shabab claimed responsibility for the attack.

Somali and the African Union forces in Somalia have launched an offensive to push al-Shabab out of the towns in the Middle and Lower Shabelle regions of central and southern Somalia

On Saturday, the Somali and the African Union forces said that they had taken over the Shabab stronghold of Bulomarer, about 70 miles south of Mogadishu, which is the nation's capital.

-Mohammed Ibrahim, The New York Times

Fast-food workers plan strike for higher wages

By Steven Greenhouse THE NEW YORK TIMES

The next round of strikes by fastfood workers demanding higher wages is scheduled for Thursday, and this time, labor organizers plan to increase the pressure by staging widespread civil disobedience and having thousands of home-care workers join the protests.

The organizers say fast-food workers — who are seeking a \$15 hourly wage — will go on strike at restaurants in more than 100 cities and engage in sit-ins in more than a dozen cities. But by having home-care workers join, workers and union leaders hope to expand their campaign into a broader movement.

At a convention that was held outside Chicago in July, 1,300 fastfood workers unanimously approved a resolution calling for civil disobedience as a way to step up pressure on the fast-food chains.

"They're going to use nonviolent civil disobedience as a way to call attention to what they're facing," said Mary Kay Henry, president of the Service Employees International Union, which has spent millions of dollars helping to underwrite the campaign. "They're invoking civil rights history to make the case that these jobs ought to be paid \$15 and the companies ought to recognize a union."

Fast-food chains and many franchise operators have said that \$15 an hour was unrealistic and would wipe out profit margins at many restaurants. Some business groups have attacked the campaign as an attempt by a fading union movement to rally a new group of workers.

Some franchise operators have dismissed the walkout, saying that in previous one-day strikes, only a handful of employees at their restaurants walked out, barely disrupting business.

But organizers say that workers walked out at restaurants in 150 cities nationwide during the last oneday strike in May, closing several of them for part of the day, with solidarity protests held in 30 countries.

The SEIU, which represents hundreds of thousands of health care workers and janitors, is encouraging home-care aides to march alongside the fast-food strikers.

The union hopes that if thousands of the nation's approximately 2 million home-care aides join in it would put more pressure on cities and states to raise their minimum

"They want to join," Henry said. "They think their jobs should be valued at \$15."

SEIU officials are encouraging home-care aides to join protests in six cities — Atlanta, Boston, Chicago, Cleveland, Detroit and Seattle. Union leaders say the hope is to expand to more cities in future strikes.

Jasmine Almodovar, who earns \$9.50 an hour as a home-care aide in Cleveland, said the \$350 she took home weekly was barely enough to support herself and her 11-year-old daughter.

"I work very hard — I'm underpaid," she said. "We deserve a good life, too. We want to provide a nice future to our kids, but how can you provide a good life, how can you plan for the future, when you're scraping by day to day?"

Three Americans held in North Korea plead for US help

By Choe Sang-Hun

SEOUL, South Korea — North Korea granted two U.S. news organizations interviews with three incarcerated Americans on Monday, with all three prisoners apologizing for violating its laws and beseeching Washington to send an emissary to negotiate their release.

The three had been interviewed before in which they expressed contrition and asked the United States for help. But Monday was the first time the North Korean authorities permitted the two U.S. news organizations, CNN and The Associated Press, to speak to all three in the same location.

The choreography of the interviews seemed to make increasingly clear that North Korea wanted to use the three Americans to pressure Washington to engage the country in dialogue.

All said they were treated fairly by the North Korean authorities and had been allowed to contact their

But they spoke while North Korean officials were present, suggesting they had been coached.

"I've been going back and forth from hospital to the labor camp for last year and a half," the longest-held prisoner, Kenneth Bae, told CNN, adding that he was working at a labor

Bae, 46, a Christian missionary, was arrested after having arrived in the North in late 2012. He was sentenced to 15 years of hard labor for the "anti-state" crime of trying to build an undercover proselytizing network within the North with the aim of toppling its government.

Bae complained of failing health, including diabetes, backaches and high blood pressure.

The others, Jeffrey Edward Fowle, and Mathew Todd Miller, reiterated assertions made in earlier interviews that they expected to face trial soon. They said they still did not know what specific charges they faced. Fowle, 56, an Ohio municipal

worker, entered North Korea in April on a tourist visa and was arrested after he left a Bible in a hotel. The authorities may have interpreted that act as Christian proselytizing. He confirmed that he had been

allowed to communicate with his wife and three children, who live in Miamisburg, Ohio, but that he had not spoken with them for three

"I'm desperate to get back to them," he said.

Miller, 24, entered North Korea in April. But according to the North, he shredded his tourist visa upon arrival and demanded asylum. He was arrested for unruly behavior.

He expressed frustration to CNN, saying that "there's been no movement from my government."

WEATHER

Summer weather continues into semester

STAFF METEOROLOGIST

A series of above-normal temperatures is expected this week, as summer-like weather rolls on into September. Warm temperatures will be encouraged today by a southerly breeze ahead of a cold front currently approaching from our west. These winds will bring warmer air up from the south, although slightly cooler ocean temperatures will prevent the mercury from climbing too high this afternoon. The aforementioned cold front will pass through overnight, bringing with it a band of showers and thunderstorms.

By Vince Agard After the frontal passage. will clear, and winds will shift to be from the north and west. This offshore flow will allow the temperature to climb once again tomorrow, with highs reaching the mid-80s (°F).

High pressure will settle in for the remainder of the week, producing clear skies and calm winds. The next cold front, and its associated rainfall, is expected to arrive sometime this weekend. While the temperatures this week will be above average—normal highs for this time of year are in the mid-70s (°F)—it could be much hotter: On this day in 1953, Boston recorded a high temperature of 100°F.

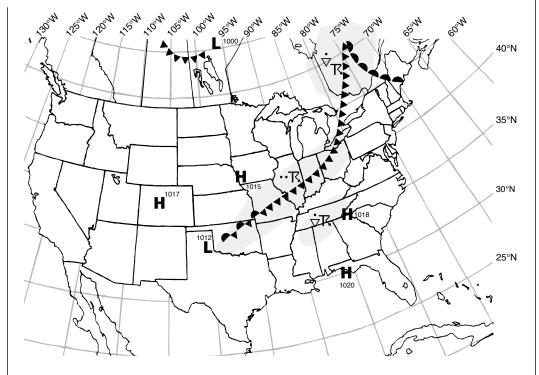
Extended Forecast

Today: Partly cloudy with a slight chance of showers and thunderstorms, high 88°F (31°C). Winds S at 5-10 mph.

Tonight: Showers and thunderstorms, low 71°F (22°C). Winds

Tomorrow: Mostly sunny, high 85°F (29°C). Winds NW at 5-10

Thursday: Sunny, highs in the low 80s°F (27°C). Friday: Partly cloudy, highs in the mid 80s°F (29°C).



Situation for Noon Eastern Time, Tuesday, September 2, 2014 $\dot{\nabla}$ Thun Light OO Haze ** **

Islamic State adds cluster bombing to its tactics

By Rick Gladstone

THE NEW YORK TIMES

The Islamic State, the extremist militant group now almost universally vilified for atrocities that include boastful beheadings, summary mass executions and enslavement in the areas it aspires to control, also has attacked enemies with cluster bombs, the banned weapons that kill and maim indiscriminately, Human Rights Watch said Monday.

Stephen Goose, the arms division director of Human Rights Watch, said in a statement that "credible evidence" had emerged that Islamic State forces used ground-fired cluster munitions on July 12 and Aug. 14 during fighting with Kurdish militia members in Aleppo province near the northern Syrian border with Turkey.

'The use of cluster munitions by nonstate actors such as the Islamic State shows the urgent need for

Syria and all nations that have not vet done so to join the ban on cluster munitions and destroy their stockpiles," Human Rights Watch said in the statement.

The group cited reports by Kurdish officials and photographic evidence to corroborate its assertions, saying that at least four Kurdish fighters and a child had been killed by the cluster munitions attacks.

Human Rights Watch said it was unclear how the Islamic State had acquired the munitions, which Syrian government forces also have used repeatedly despite worldwide condemnation.

Fired by rockets, mortars and artillery or dropped from aircraft, cluster bombs explode in midair, hurtling hundreds of lethal submunitions known as bomblets over a wide area. Many of the bomblets fail to explode immediately, effectively creating booby traps for the unsuspecting.

Last week the Cluster Munition Coalition, an organization of advocacy groups including Human Rights Watch, said in an annual report that Syrian government forces had used cluster bombs starting in 2012 in their campaign to crush an insurgency, surpassing Israel's use of the weapons in the 2006 war in Lebanon that led to the global treaty banning their use in 2008.

The Human Rights Watch report came on the eve of the Cluster Munition Coalition's annual meeting, to be held Tuesday through Friday in San Jose, Costa Rica, where compliance with the treaty will be discussed. Aside from Syria, cluster bomb use has been reported this year in the conflicts in South Sudan and Ukraine. None are among the 113 countries that have signed the treaty. Fifty-one have not signed, including the United States, Russia and China, though all three countries abide by the treaty's provisions.

St. Louis Rams cut Michael Sam, the first openly gay NFL draft pick

By Ken Belson THE NEW YORK TIMES

Michael Sam, the first openly gay player drafted by an NFL team, was cut by the St. Louis Rams on Saturday.

The move came as teams across the league reduced their squads to 53 players, and is bound to raise questions about the role of Sam's sexuality in the decision.

In May, Sam was drafted at the end of the seventh round despite being named the top defensive played in the Southeastern Conference his senior year at the University of Missouri.

He was taken with the 249th pick out of a total of 256 players

He gave a mediocre performance at the scouting combine, which some believed contributed to his low draft status.

Rams coach Jeff Fisher said

Sam would be treated like every other player hoping to make the

But Sam also attracted a lot of attention. He canceled a planned reality show soon after it was announced.

""I will tell you this: I was pulling for Mike, I really was," Fisher said Saturday in a news conference.

"And I don't say that very often. Mike came in here and did everything we asked him to do."

He added: "It was a football decision, and the decision is no different than any other decision that we make. It was a football decision. It was a football decision back in May to draft Mike."

Sam performed decently during the preseason, including sacking Johnny Manziel, the highly touted rookie quarterback on the Cleveland Browns.

He can still make the Rams'

"There's no challenge with respect to Mike Sam," Fisher said, referring to a team that might want to pick up Sam.

'He's not about drawing attention to himself. He kept his head down and worked and you can't ask anything more out of any player for that matter."

According to ESPN, Sam had 11 tackles and three sacks during the preseason and had a team-high six tackles in the last preseason game.

In a series of tweets, Sam thanked the Rams for drafting him, for "allowing me to show I can play at this level."

He said he looked forward to building on the progress he felt he made "toward a long and successful career."

The most worthwhile things in life rarely come easy, this is a lesson I've always known," Sam said. "The journey continues."

Geckos on mission die aboard Russian spacecraft

MOSCOW - Five geckos launched into space by Russia for an experiment on sexual reproduction in near-zero gravity were found dead Monday after their spacecraft returned to earth, the Russian space agency Roscosmos announced in a statement.

The reptiles, popularly called the "sex geckos" because of their mission, gained notoriety in July when Roscosmos briefly lost contact with their Foton-M4 satellite and feared that its life-support systems might have failed. But communication with the satellite was re-established, and the experiment continued.

A colony of fruit flies aboard the spacecraft survived the flight. "All the geckos, unfortunately, were killed," the agency wrote in

a statement posted on its website. "The date and conditions of their deaths is being determined by specialists."

—Andrew Roth, The New York Times

Militias seize Libyan capital

CAIRO — The government of Libya said Monday that it had lost control of its ministries to a coalition of militias that had taken over the capital, Tripoli, in another milestone in the disintegration of

The government reiterates that these buildings and the public headquarters are not safe and inaccessible, because they are under the control of armed men," the government said in a statement. It was issued from the eastern city of Tobruk, where the recently elected parliament has convened in territory controlled by a renegade general who has tried to stage a coup d'état.

Over the last two months, the fractious militias that have dominated the country since the ouster of Moammar Gadhafi three years ago — variously local, tribal, regional, Islamist or criminal – have lined up into two warring factions. One side, operating under the name Libya Dawn, aligned with militias from the coastal city of Misurata and the Islamist factions in what fighters portrayed as a battle to prevent a counterrevolution. The other side was aligned with the renegade general, Khalifa Hifter, in the east and partisans from the mountain city of Zintan in the west, to fight what they called a battle against Islamist extremists.

—David D. Kirkpatrick, The New York Times

UN rights council looks at Islamic State abuses in Iraq

UNITED NATIONS — The top U.N. advocate for children afflicted by war said Monday that the Islamic State was using them as informers, checkpoint sentries and, in some cases, suicide bombers.

The advocate, Leila Zerrougui, the special representative of the secretary general for children and armed conflict, also said that the United Nations had received reports that the Islamic State had abducted girls from minority communities and forced them into marriage, but that it had been unable to verify those reports.

Zerrougui made the assertions at a special session of the U.N. Human Rights Council in Geneva on the Islamic State's actions in Iraq. The group, which has proclaimed a strict Sunni Islamic state that spans the Syria-Iraq border, has imposed severe rules on behavior and has been accused of a litany of brutalities against non-Sunni groups, including summary mass executions.

The U.N. deputy high commissioner for human rights, Flavia Pansieri, told the Human Rights Council that the Islamic State had ordered strict rules for women living in the northern Iraqi city of Mosul and other areas in its control.

"Women are not allowed to walk in the street without the presence of a male guardian, and there are more and more reports of women being beaten" for infractions, she said.

—Somini Sengupta, The New York Times





Asian Egg Donors Wanted!

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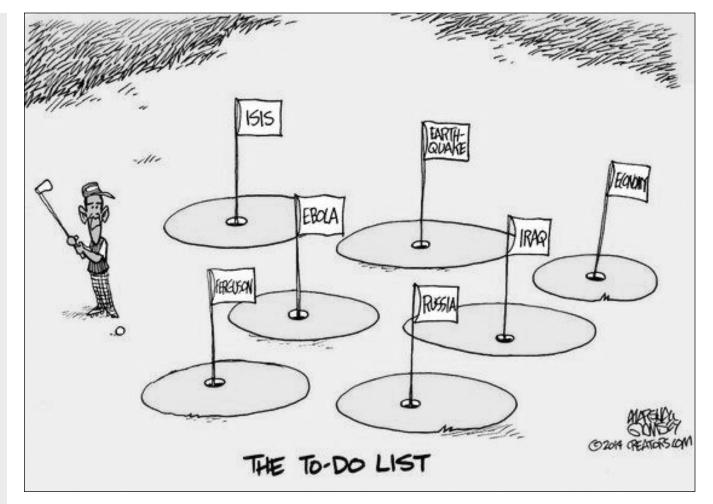
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The Tech (ISSN 0148-9607) is published on Tuesdays and Fridays during the academic year (except during MIT vacations), Wednesdays during January, and monthly during the summer by Ihe Tech, Room W20-483, 84 Massachusetts Avenue, Cambridge, Mass. 02139. Subscriptions are \$50.00 per year (third class). POSTMASTER: Please send all address changes to our mailing address: The Tech, P.O. Box 397029, Cambridge, Mass. 02139-7029. TELEPHONE: Editorial: (617) 253-1541. Business: (617) 253-8324. Facsimile: (617) 258-8226. Advertising subscription, and typesetting rates available. Entire contents © 2014 The Tech. Printed by Upper Valley Press, Inc..





CORRECTIONS

An article about the FSILG social gathering policy in the Friday, Aug. 29 issue of *The Tech* incorrectly stated that the announcement of the approval of a new FSILG social events policy was made less than a day before the start of Rush 2014, which was actually made more than a day before the kickoff. It also incorrectly stated that Risk Management Consultants were

introduced by the new policy, but in fact, their responsibilities have been modified to include new follow-up procedures.

Also in the Friday issue, the original version of the article about MIT Professor Azra Akšamija, was incorrectly truncated due to a technical error. The full, restored version of the article is now available online.

policy was made less than a day before the start of Rush 2014, which was actually made more than a day before the kickoff. It also incorrectly stated that Risk Management Consultants were tor Hung appears in the photograph.

A front-page photograph featured in the Friday issue credited to Victor Hung was actually taken by Landon Y. Carter. Victor Hung appears in the photograph.

OPINION POLICY

Editorials are the official opinion of *The Tech*. They are written by the Editorial Board, which consists of Chairman Annia Pan, Editor in Chief Austin Hess, Managing Editor Judy Hsiang, and Opinion Editor Jacob London.

Dissents are the signed opinions of editorial board members choosing to publish their disagreement with the editorial.

Letters to the editor, columns, and editorial cartoons are written by individuals and represent the opinion of the author, not necessarily that of the newspaper. Electronic submissions are encouraged and should be sent to *letters@tech.mit.edu*. Hard copy submissions should be addressed to *The Tech*, P.O. Box 397029, Cambridge, Mass. 02139-7029, or sent by interdepartmental mail to Room W20-483. All submissions are due by 4:30 p.m. two days before the date of publication.

Letters, columns, and cartoons must bear the authors' signatures, addresses, and phone numbers. Unsigned letters will not be accepted. *The Tech* reserves the right to edit or condense letters; shorter letters will be given higher priority.

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Sudoku I

Solution, page 10

			4		5	3		
	4	3					1	
9				2		6	5	4
					3			6
		7	1		2	8		
3			5					
1	5	9		3				8
	3					7	9	
		2	9		4			

Sudoku II

Solution, page 10

4					8			
7	3			1		4		
		6		9			3	5
	4			8		2		
6			2	7	5			4
		7		4			6	
9	5			6		1		
		1		5			4	8
			1					6

Sudoku III

Solution, page 10

7			6	5			8	
	2		4			1		
			2			6	4	
						2 5	3	8
		4	8		3	5		
3	9	8						
	9 3	2			6			
		5			4		2	
	7			1	2			3

Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.

Techdoku I

Solution, page 10

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16×			-		
	30×			6×	
	180×			2-	
30×		3+			6÷
	9+			5	

Techdoku II

Solution, page 15

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20+			-	3	
		2×	60×		
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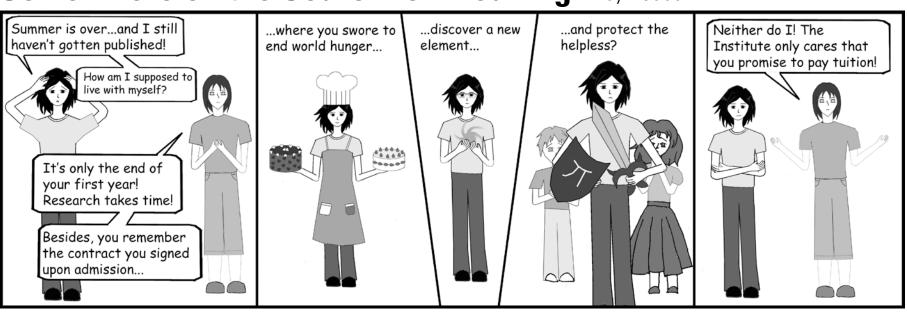
Techdoku III

Solution, page 15

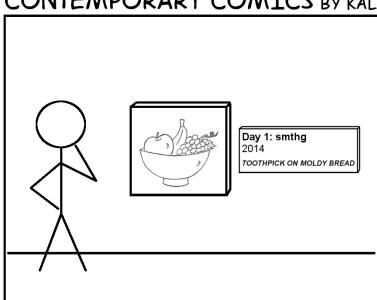
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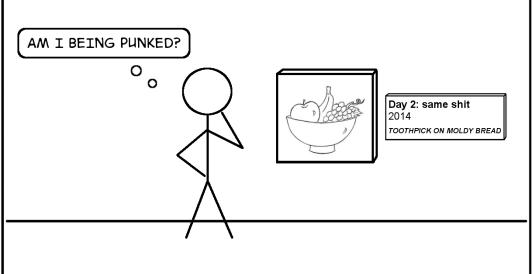
FUNFUNFUNFUNFUNFU

Somewhere on the Search for Meaning... by Letitia Li



CONTEMPORARY COMICS BY KALI XU









OK, I NEED TO TRANSFER MY

THOUGHTS FROM MY HEAD TO THIS







WWW.PHDCOMICS.COM

Saturday Stumper by Brad Wilber

Solution, page 10

ACROSS

- 1 Appliance certified by the
- 10 Like many enviable lawns
- 15 Nestlé trademark
- 16 Main body 17 Scratch
- 18 58 Across material
- 19 Writer next to Jung on the
- Sgt. Pepper cover
- 20 Apt. amenity 21 Audio-tech IPO of 2005
- 22 AFI's #1 mystery movie 24 Stucco backing

Abbr.

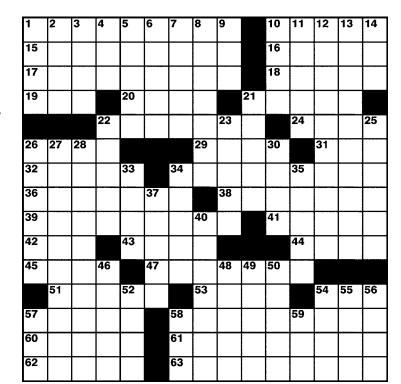
- 26 Crumpled 29 Some website launchers:
- 31 What many water calligraphers practice
- 32 Sweet Smell of Success screenwriter
- 34 Dental work?
- 36 Rhubarb descriptor
- 38 British legal system
- 39 Ornament
- 41 Boardroom amenity
- 42 According to 43 Its façade was once

- owned by Desilu
- 44 Minute
- 47 15th anniversary gift
- 51 Locket framer, perhaps
- 53 Birch-beer brand of yore 54 "That mercy __ others show": Pope
- 57 Beethoven's Fifth soloist
- 58 Bottle's non-liquid contents
- 60 Most Greenlanders
- 61 Aloof
- 62 Savvv
- 63 Reviewed

DOWN

- 1 Opposite of "rejoice"
- 2 Hedda Gabler setting
- 3 Woody Guthrie persona 4 Turn down
- 5 Clock
- 6 Skin-care lotion
- 7 Offshoot of Bauhaus constructivism
- 8 Harsh words
- 9 Term for a broad brogue 10 21 Down predator

- 11 It might prompt a flush to go down
- maybe
- 13 Pigeon
- 14 Junk ___
- 21 Range wanderer 22 12-time Indy 500 pace car
- 23 Plotter's creation
- 25 Unpretentious
- 26 Encouraging words
- 27 Coach on The Voice 28 "To know me is to love me" starter
- 30 He calls his cutlass Johnny Corkscrew
- 33 Flooding residue
- 34 Insect sound 35 Rickety
- 37 Not busy
- 40 Turn down
- 46 Takeout sources
- 48 Typical taxi
- 49 "Finished!"
- 50 Had something
- 52 Brad's love in . . . Benjamin Button



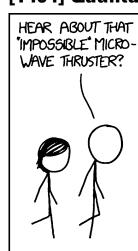
- 54 Where you're urged to "start stacking up rewards"
- 55 2013 Technical and Engineering Emmy winner 56 Vacant
- 57 Si __ pacem, para bellum (Royal Navy motto)
- 58 Queen in Romeo and Juliet
- 59 Where a presidential library opened in 2013

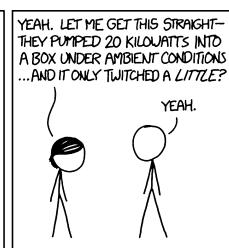
Tuesday, September 2, 2014

The Tech 7

A WEBCOMIC OF ROMANCE, SARCASM, MATH, AND LANGUAGE by Randall Munroe

[1404] Quantum Vaccuum Virtual Plasma



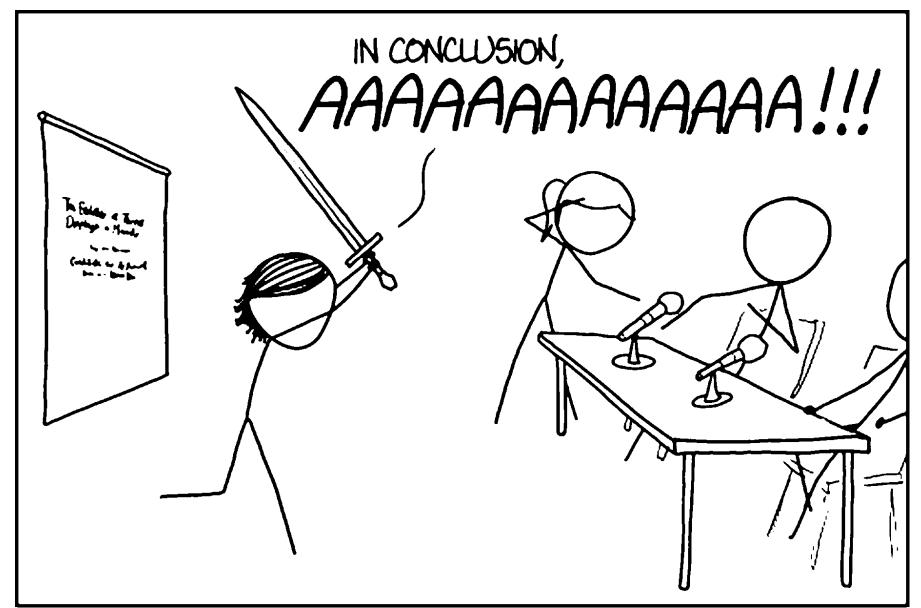




.emselo

I don't understand the things you do, and you therefore may represent an interaction with the quantum vacuum virtual

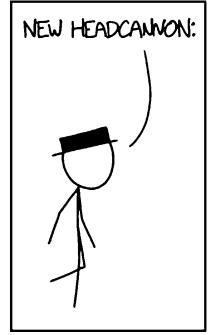
[1403] Thesis Defense

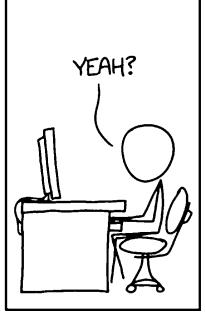


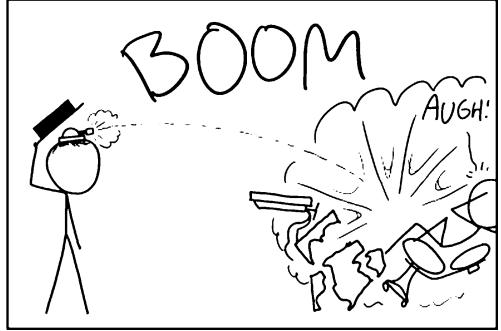
THE BEST THESIS DEFENSE IS A GOOD THESIS OFFENSE.

MY RESULTS ARE A SIGNIFICANT IMPROVEMENT ON THE STATE OF THE AAAAAAAAART

[1401] New







The nice thing about headcannnons is that it's really easy to get other people to believe in them.

TUESDAY, SEPTEMBER 2, 2014 8 THE TECH

WORD IS BORN

Late producer to be memorialized in Smithsonian





Dewitt Yancey, otherwise known as J Dilla or Jay Dee, is one of

the most influential figures in hip-hop.

the crowd's reaction to the memorialization of her late son's legacy.

J Dilla revolutionized the musical landscape of hip-hop and neo soul before passing away in 2006. Known for his unique experimentalism, sampling style, and incorporation of jazz and soul, Dilla had the kind of genius that was contagious, touching artists such as Root's founder Questlove and vintage soul legend Erykah Badu, both of whom he worked with closely.

A student and colleague of legendary producer Q-Tip of A Tribe Called Quest, Dilla worked as a part of production collective The Ummah alongside Q-Tip and Ali Shaheed Muhammad, producing classics such as Midnight Marauders (1993). The two were first introduced by Amp Fiddler while Q-Tip was on the 1994 Lollapalooza

While speaking with the Red Bull Music

Academy Radio, Q-Tip recalled Dilla's smile as the first thing he saw and described the experience of listening to Dilla's tape that night on the tour bus, saying, "What the fuck is this shit. Damn this shit is crushin'!" From there Q-Tip played the demo for Trugoy of De La Soul, who described him as O-Tip, but better. After that they went on to work together and spread Dilla's genius far

In an RBMA Radio interview Erykah Badu recalled Dilla's eccentricities, telling the story of her first sampling lesson with Dilla, which led to her song "Didn't Cha Know." He was an engineer in school, and she described his beats as "strictly mathematical, they're just right out of his consciousness." Of his basement lab she said, "it looked like a graveyard. It was perfect, everything was perfect," all the Coke cans facing a certain way, all his vinyl organized by his own system.

The two formed part of powerhouse musical collective the Soulquarians, along with D'Angelo, James Poyser, and Questlove of the Roots to name a few.

Questlove spoke of the liberating effect Dilla's music had on him, sharing with RBMA Radio the story of the first time he heard Dilla's music when the Roots opened a show by the Pharcyde in North Carolina. He said that on *Illadelph Halflife* (1996) he made every effort to be a cold machine, but when he heard Dilla's production of the

Pharcyde's second album it freed him.

He recalled that at first he dismissed Dilla, having heard that Q-Tip was supposed to produce the Pharcyde's Labcabincalifornia (1995) and found out that instead Dilla was handling it. After opening for the Pharcyde he had to run out to do a college radio interview and heard the Pharcyde open with their song "Bullshit."

"As I'm leaving the club I'm hearing the vibration of the kick drum and it's the most life changing moment I've ever had. Like I had to get out the car and run back in the club to make sure I didn't hear what I heard. Did I hear that? I mean just the way that it... it sounded like the kick drum was played by like a drunk three year old. I was like, 'Are you allowed to do that!?" Questlove later asked about the track and described the experience of listening to Dilla's beat tape saying, "I'd just never heard someone not give a fuck, and that to me was the most liberating moment."

J Dilla lives on in his music, as part of Slum Village, through his collaborations, and his immeasurable impact on the musical community. His iconic tools, with him at his bedside to the end, will find a worthy home as the inaugural exhibition "Musical Crossroads" in the Smithsonian African American Museum of History and Culture. I look forward to seeing the late producer's

Rest in Peace JD.



e are The

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TUESDAY, SEPTEMBER 2, 2014



INTFRVIFW

The story behind Boston Calling

The up-and-coming festival's co-founder talks to *The Tech* before the September show

The fourth installment of Boston Calling Music Festival opens this Friday at City Hall Plaza.

MIKE DISKIN

By Denis Bozic

Even though only in its fourth installment, the three-day Boston Calling Music Festival is already becoming a landmark of Boston's entertainment scene. The lineup for this week's shows includes The War on Drugs, Lorde, The National, Nas with The Roots, and Future Islands. *The Tech* recently interviewed Brian Appel, co-founder of Boston Calling, to find out how the festival was conceived and what happens behind the scenes during the show.

"My partner Mike Snow and I were working together at WFNX Radio and the Boston Phoenix. We spent several years planning events and concerts in the city, and began working on the idea of a music festival for the radio station," said Appel. "WFNX eventually stopped broadcasting, but we still believed in the idea, so we went and got approval from the Mayor's office to do the event, and that's how it began."

The festival quickly became a hit among Boston's music fans. Most of the performers were well-known bands and musicians such as Dirty Projectors, Marina and The Diamonds, St. Lucia, and Vampire Weekend. The lineups, however, are not just random selections of available performers. "We have a curation team of several people, including the Bowery Presents, and Aaron Dessner of The National. We all look at what artists are touring around our festival times, who may be available and a good addition to the lineup, and between Bowery and Aaron, we begin conversations with artists and agents," said Appel. "It sometimes feels out of control when you are in the midst of trying to book [more than] twenty artists, but so far it has all worked out!"

Appel added that Boston Calling leans slightly toward indie-rock music but that not all of the performers fall within the genre. "It starts with The National, who we sometimes think of as our 'house band," he said. "But we do not aim to be a fully indie-rock festival. You'll see electronic, pop, hiphop, alt-country, and even some metal on our bills."

Despite the presence of big-name performers in the festival's lineup, Appel said that it's important to give recognition to those performers who have not climbed the top charts yet. "It's a balancing act. For obvious reasons, you need bigger names on the bill to make sure that you sell enough tickets to make the event financially stable," he said. "But part of the fun of the curation is to pick artists early on in their career and lock them in before they get really big. We've had some luck with this; we booked fun., Bastille, and most recently The War on Drugs just as they were getting very popular. It's good vision by Bowery and Aaron."

As with every music festival, excellent organization is necessary for the shows to run smoothly and it seems that Boston Calling's teams are doing their best to make the festival stress-free. "We have an amazing team that keeps the event running very smoothly. We've had some good luck in that the audience is always very calm and respectful, and we've got an amazing production manager, Bill Kenney, who keeps the stages running perfectly," Appel said. "You know the event is going well when the radios are silent for an hour at a time during show days."

Appel added that the organizers' relationships with the performers are strictly professional and that the main task is to keep the audience, bands, and the sponsors happy. "None of us have much interest in celebrity sightings," he said. "We're thrilled that the artists have chosen to be at Boston Calling, but we have a no-hassle policy for the acts backstage. No photos, no media, no autographs, no meet-and-greets. They're here to do a job, and the best thing we can do is put them in the best place to do it, and get out of their way."

For him, the most rewarding part of the experience was "seeing it all come together and knowing that there were four or five of us just two years ago who thought it was crazy and went ahead with it anyway," he said. "The press has been really amazing, and every time we see an article written about us, it still feels like the first time."

When asked about the future of Boston Calling, Appel said, "We don't get too far ahead of ourselves! Right now we are focused on the September edition. 2015? We'll start to think about that after September 7!"

The September installment of Boston Calling Music Festival 2014 begins this Friday at City Hall Plaza. For full information about the tickets and performers, visit http://fall.bostoncalling.com/

Tiny robots ate our building

Making way for MIT Nano

12

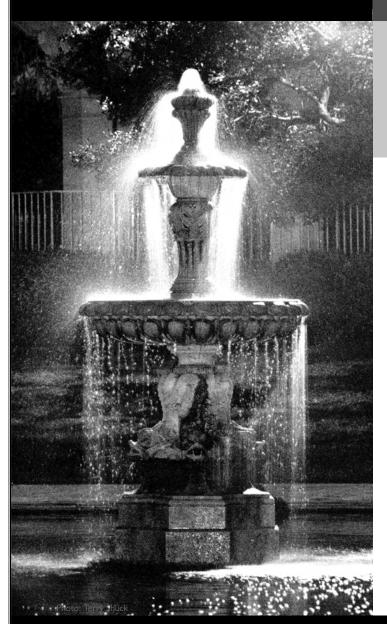


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10 THE TECH TUESDAY, SEPTEMBER 2, 2014

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from page 7

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from page 5

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from page 5

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from page 5

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Severity of injury unclear

Report to come

LCA, from Page 1

to Beth Israel Deaconess Medical Center.

MIT Interfraternity Council President Haldun Anil '15 said, "The Judicial Committee process is being followed. We're in the process of gathering information."

Members of LCA did not respond to phone or email requests for comment on the incident. As of press time, the national chapter of LCA had not responded to an email request for comment.

The incident comes about one vear after an incident at the MIT chapter of the Phi Sigma Kappa fraternity, in which an 18-year-old MIT student survived a four-story fall through a skylight during a roof deck party. Limits on the occupancy of MIT fraternities in Boston, an effective prohibition of large social events there imposed in the wake of that incident, were finally eased late last week.

The Boston Police Department referred a request for the police report on the incident to the MIT Police, who said the report would become available Tuesday. According to Allen, MIT officials are investigating the circumstances of



MIT Community Service Fair #MITservice

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Adisa Kruayatidee '16 breakdances with Imobilare, one of MIT's many dance groups, during the Activities Midway this past Friday in the Johnson Ice Rink. The Activities Midway is the main opportunity for student groups to reach out to potential new members before the start of the fall semester.

Know something important we should write about?

(We probably don't know about it.)

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Instructor: John Akula, Senior Lecturer in Law at Sloan

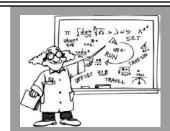


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12 THE TECH
TUESDAY, SEPTEMBER 2, 2014

New policies significantly update alcohol rules

Drinking games ban, edited seeking help rules, and new sanctions among revisions

Mind and Hand, from Page 1

tices for seeking help during alcohol-related emergencies says, "MIT will treat the situation as a health and safety matter, not as a disciplinary incident" if help is sought. The limitations of the policy and the actual guidelines for how to call for help remain unchanged.

The list of Institute-imposed sanctions, however, newly states, "The sanctions of disciplinary suspension and disciplinary expulsion will be strongly considered... when a student has failed to summon medical assistance for someone she or he knew, or reasonably should have known, to be in medical jeopardy due to alcohol or substance use."

Notably, the possibility of sanctions for failing to call for help, but not protection from disciplinary action, apply to medical emergencies involving drugs other than alcohol. Robinson said the goal of this modification was "to remind people that the expectation is that you get help for somebody in need" and to provide clarity on the matter for students unsure of whether they should call for help.

Robinson and Director of Student Citizenship Kevin Kraft met with members of Dormitory Council (DormCon) multiple times to collect feedback on drafts of the policies. In public minutes from a December 2013 meeting, several students raised concerns that the difference between the treatment of alcohol and other drug-related incidents in the policy could lead students to use drugs in secret and/ or under more dangerous circumstances. The minutes quote Robinson as saying that those concerns must be balanced against making sure the Institute does not condone

Leonid Grinberg '14, a student quoted in those minutes, told *The Tech*, "If there's negative pressure that I can't know about [drug use] because I don't want to get in trouble, all that creates is lack of knowledge," adding, "It's one-sided in that it just removes liability in an artificial, almost legalistic sense without adding safety."

Robinson said that the working group had received feedback both for and against including incidents related to other drugs among those treated as medical rather than disciplinary matters in the seeking help protocol. "We will continue to look at that in the coming year, but people need to know that the expectation is that you get help for somebody," she said, adding that the fact that someone called for help may be taken into account if Committee on Discipline sanctions were considered after a drug-related incident.

Other Drugs

Before the recent updates, the Mind and Hand Book's policy on drugs other than alcohol primarily referred to state and federal laws, stating that the use, sale, and distribution of illegal drugs was also against Institute policy.

New in the revised version, MIT extends the prohibition to "substances that are generally recognized as dangerous and detrimental to the individual and community, even though they may not be illegal," referring to these as prohibited substances. It lists whippits (nitrous oxide cannisters), 2-C's, NBOME, research drugs, Spice, K-2, non-prescribed performance enhancing drugs as examples of such substances.

According to minutes from October and December 2013 DormCon meetings including Kraft and Robinson, students raised concerns that the definition of prohibited substances was too vague and could create unclear expectations for students.

When asked by The Tech what process would be used to determine if certain drugs might become prohibited in the future, Robinson said, "I think that will depend on... what the trends are, not just in the MIT community but in general," adding that the drugs listed in the policy are examples rather than an exhaustive list of those prohibited.

"Those drugs might not be scheduled or illegal at this moment in time, they may be down the road. But regardless of illegal or not, what we do know is that there have been issues for some of our students around those drugs," adding "With health and safety a priority, we wanted to be clear with students."

Also newly introduced to the policy is the following: "MIT prohibits persons from permitting the use of prohibited substances, as noted in this policy, in one's residence."

Robinson said that some universities prohibit students from being in the presence of others using drugs illegally. She said that the working group initially proposed that regulation, but decided after hearing feedback from students to change the policy to its current form. "You're responsible for what happens in your room." She added that organizational-level issues with allowing drug use could also result in an organizational response.

According to DormCon minutes, students also raised concerns to Kraft and Robinson that this aspect of the policy might unintentionally incentivize students to use drugs alone or in more dangerous ways. Grinberg told *The Tech,* "Any amount of drug use is safer with more people present and more people not using that drug present,"

noting that it would be much easier for students to get help in such situations compared with using drugs alone.

New to the list of Institute-imposed drug sanctions is the statement that disciplinary suspension and expulsion would be "strongly considered" for students found responsible for violating policies against "the sale, distribution, or social sharing of prohibited substances."

Robinson emphasized that MIT's policy on the matter is not limited to students selling drugs for

"Social sharing is a form of distribution, and we don't want drugs distributed on campus," Robinson said. "So it's not just about if you are collecting money in exchange for drugs, but it's about if you're distributing drugs to anybody." She added, "I might be sitting with a group of five friends and sharing or I might just have given drugs to somebody down the hall from me. Neither are ok."

New MIT policies broaden definition of hazing, providing examples that include showering.

While the possible sanctions are significant, Grinberg said that he expected the prohibitions on the social sharing of drugs to be implemented in a "common sense" manner and added that he would be "surprised and disappointed" if students were suspended or expelled as a result of, for example, using a small amount of marijuana in a group.

The updated policy also clarifies that MIT's policies against marijuana are not affected by laws lowering penalties for, or decriminalizing, its use in Massachusetts. It cites the federal Drug-Free Schools and Communities Act, which requires compliance with federal prohibition on marijuana, among other laws, for the Institute to continue to receive federal funding.

For these reasons, medicinal marijuana continues to be prohibited on campus or at Institute-sponsored activities. "The reality is federal law trumps state law... Even though the Massachusetts law is different we have to keep that policy in place, but we involved Student Disability Services in that conversation as well," Robinson said, referring to the policy on medicinal marijuana.

Hazing

MIT's policy on hazing before the recent updates was primarily a restatement of Massachusetts state law on the subject. It identified hazing as conduct that "recklessly endangers the physical or mental health of any student or other person."

The new policies broaden the definition to include "[a]ny action or activity that causes or intends to cause physical or mental discomfort or distress, that may demean, degrade, or disgrace any person." It goes on to provide examples of hazing in three categories of increasing severity.

The policy defines subtle hazing as "behaviors that emphasize a power imbalance between new members and other members of the group or community", listing deception, silence periods, deprivation of privileges, social isolation, namecalling, and unequal assignment of chores or duties as examples.

Examples of harassment hazing, or "behaviors that cause emotional anguish or physical discomfort" are listed as verbal abuse, implicit or explicit threats, sexual stimulations, requiring situationally inappropriate attire, and sleep deprivation.

Violent hazing is defined as "behaviors that do or could cause physical or psychological harm," including "placing students in the shower against their will" (a practice called "showering"), beating, paddling or other forms of assault, bondage, kidnapping, expecting illegal activity, or forcing or coercing members to take alcohol and/or drugs, perform sexual acts, or ingest "vile substances."

Notably, showering was the only behavior singled out as prohibited in both the old and new versions of the policy beyond those listed by Massachusetts law, though the previous version said it "may be considered a form of hazing."

The Tech previously reported that policies introduced by the Interfraternity Council in January now mean that organizational hazing cases from the body are handled by the Committee on Discipline, typically resulting in organizational suspension if the party is found in violation. Robinson said she did not yet know the details of how the updated Mind and Hand Book would interact with that policy, but said, "There is a continuum of behavior; there is a continuum of [disciplinary] response."

Robinson said, that after collecting student feedback, the goal was "use the policy to inform students of what different levels of hazing are, which is why you see more detailed examples." She added that while most people would identify violent hazing as hazing, "there are other forms of behavior that would qualify as hazing that we needed to inform students of as well."

Other updates

The updates to policies related to sexual misconduct, stalking,

and intimate partner violence were minor edits according to Robinson, as the majority of the changes happened early in the 2013-2014 academic year. The weapons and hazardous materials policies, while partially reworded, remained largely similar to their previous versions.

Creating the policies

Robinson said that in April of 2013 the working group began identifying policies that needed to be updated in an effort to have policies "up to date with current practice and provide clarity to students."

She said the group decided not to put most of the changes into effect at the start of the 2013-2014 academic year because they felt that they couldn't collect enough student input on the new policies over the summer. She said those policies then went through multiple drafts over the course of meeting with student groups and other stakeholders on campus throughout the course of the academic year.

The changes to the sexual misconduct policy, including the addition of the intimate partner violence and stalking policies, however, took place in October, as those updates were necessary for MIT be in compliance with federal Title IX requirements. She added that a few edits to that policy were made over the course of the academic year, which are reflected in the latest version of the Mind and Hand Book.

Robinson said the new policies are designed to be educational statements and are designed to help students understand "what it means to be a member of the MIT community." She emphasized that the working group's edits focused on providing clarity to students about expectations and policies.

Robinson listed a wide range of student groups and bodies consulted during the process of updating the policies, ranging from the MIT Police to FSILG leadership. According to Matthew Davis '16, the Risk Manager and Housing Chair of Dormitory Council during the last academic year, DormCon assembled a list of changes by comparing drafts of the policies and considering a similar list of edits compiled by the Undergraduate Association. These were then presented to the dormitory presidents who then commented in meetings such as those that were the subjects of the previously cited

"The students who gave us feedback – and there many of them – they were such an important part of the process... As we move forward we will continue that practice of involving student leaders or emerging student leaders in those conversations," Robinson said.



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Tuesday, September 2, 2014 The Tech 13

Living group roof deck limit relaxed

Nine applications approved so far

Roof Decks, from Page 1

to the AILG Board and the AILG Facilities Committee.

The application entails calculating deck occupancy numbers using guidelines from the Facilities Committee, which are based on the square footage of the roof deck and the number of exits available. Roof decks at FSILGs in Boston must also be approved and certified by the city.

"It is important to note that the city of Boston roof deck certificates allow use by residents only, and parties are not permitted even on approved roof decks," wrote Henry J. Humphreys, Senior Associate Dean of Residential Life and Dining, in an email to *The Tech*.

Nine applications have been submitted to the AILG so far and all nine — three in Boston, five in Cambridge, and one in Brookline — met the requirements and have been approved.

"The overall approval process took about two months," wrote Joel R. Schneider '15, president of MIT's chapter of Zeta Beta Tau (ZBT), in an email to *The Tech*. Schneider applied for the approval of ZBT's roof deck over the summer, and said that the process asked him to assess the occupancy limit of the roof deck and then submit a report to the AILG.

According to Schneider, the AILG approved an occupancy limit of 10 people for ZBT's roof deck. He estimated that other FSILGs will have similar limits in the 10-20 range. Since it is in Brookline, ZBT is not under the restriction that the roof deck can only be used by residents, but Schneider says that the low occupancy limit will prohibit ZBT members from hosting rush events on the deck. As an additional safety precaution, Schneider has internally enforced a rule that a brother must be present on the roof deck whenever it is in use.

"While the low occupancy limit is unfortunate, the process of approving the roof deck, designing the signage, and getting signatures was very well laid out and the AILG was very supportive," wrote Schneider.

EVENTS SEPT. 02 – SEPT. 08

TUESDAY

(6:00 p.m. – 8:00 p.m.) Crepes and Camaraderie Evening, sponsored by Ashdown House and the Warehouse Graduate Dorm — NW35 (Ashdown) Courtyard

(8:00 p.m. – 10:30 p.m.) Contra Dance beginner's night, with live folk music, free for MIT and Wellesley students, sponsored by Folk Dance Club — Kresge Rehearsal Room B

WEDNESDAY

(11:00 a.m. – 4:00 p.m.) Sidney Pacific Plant Sale — NW86, Sidney Pacific Courtyard

THURSDAY

(12:00 p.m. – 1:00 p.m.) Coffeehouse Lounge Outdoor Concert: The Black Moons — W20 (Stratton Student Center Steps)

(1:00 p.m. – 3:00 p.m.) Community Service Fair, hosted by the MIT Public Service Center — Kresge Oval

FRIDAY

(5:00 p.m. – 7:00 p.m.) Student Loan Exhibition: Arts BBQ, celebration of arts on campus — E15 (List Visual Arts Center)

(8:00 p.m. – 10:30 p.m.) The Musical Theatre Guild presents Grease, \$3 incoming MIT freshmen, \$6 MIT and Wellesley students, \$10 MIT affiliates, \$15 general public — W16-035 (Kresge)

SATURDAY

(10:00 a.m. – 12:00 p.m.) Oink, Oink, Cluck, Baaaaa! Eastgate Animal Petting Zoo, see and feed farm animals, sponsored by Eastgate Community Association and GSC Funding Board — E55 (Eastgate) Courtvard

(1:00 p.m. – 4:30 p.m.) Demo Day for the MIT Global Founders' Skills Accelerator, sponsored by Martin Trust Center for MIT Entrepreneurship — W16 (Kresge)

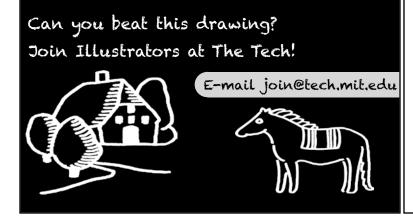
SUNDAY

(6:00 p.m. – 10:00 p.m.) MIT Bangladeshi Students' Association Fall Kickoff and Welcome Dinner, sponsored by MIT BSA and GSC Funding Board — 50-140

MONDAY

(4:00 p.m. – 5:30 p.m.) Why You Can't Find a Taxi in the Rain and Other Labor Supply Lessons from Cab Drivers, with speaker Hank Farber of Princeton University, sponsored by Public Finance/Labor Workshop — E62-650

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Participants challenged to start a company in just one week at MIT

Bootcamp, from Page 1

– including a medical doctor, a technical director of Halo 4, and an Olympian — hailed from 22 countries. Their educational backgrounds ranged from a man who never attended college to a Harvard Law School graduate. Half of the inaugural bootcamp class met each other over Facebook before the bootcamp started and launched an Indiegogo crowdfunding campaign to raise funds for the bootcamp. One participant even sold his car so he wouldn't miss the opportunity. For three students, MIT awarded full scholarships that covered the bootcamp's tuition, travel, and accommodations.

Iman Urooj traveled thousands of miles from Pakistan to attend the bootcamp. She said the event was one of the most memorable experiences of her life: "This bootcamp gave me the necessary injection of inspiration to go back to Pakistan with newfound enthusiasm and energy and a desire for change."

"It was an incredibly creative and a remarkable experience not just for the students but for all of us involved at MITx and edX," said Anant Agarwal, CEO of edX. "We had an amazing group of students. They were extraordinarily inspiring. They are what make us want to get up in the morning and do what we're doing."

After taking the 15.390x online course taught by Bill Aulet, managing director of the Martin Trust Center for MIT Entrepreneurship, the bootcamp participants were challenged to start a company in one week at MIT. On Aug. 22, nine teams pitched their startup ideas before a panel of judges. UpLook, a startup aimed at turning fashion blogs into retail outlets, won first place. ONBO, a personal consulting startup, came in second and was followed by Elio, a startup to sell data collected by drones to Brazilian farmers. Right after the bootcamp ended, two teams indicated that they would continue working on their startups that were incubated at the bootcamp.

"It was truly eye opening that you can run an online course, get 55,000 people to take it, and then bring the best of them to MIT to have a residential experience - in such short period of time," says Aulet. "The funnel was so big and so fast that you had to be both good and willing to hustle to make it. As such, it was a complete meritocracy. This is what led to the amazing talent and energy in the class, which created the spectacular results. It was a real honor to teach this group and be involved in this successful experiment."

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Solution to Techdoku II

from page 5

6	4	5	1	2	3
4	2	3	5	6	1
1	5	6		3	4
2	6	1	3	4	5
3	1	2	4	5	6
5	3	4	6	1	2

Solution to Techdoku III

from page 5

6	5	4	2	1	3
2	1	6	4	3	5
5	4	3	1	6	2
4	3	2	6	5	1
1	6	5	3	2	4
3	2	1	5	4	6

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